

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
 Data File : BG017590.D
 Acq On : 10 Jun 2015 2:41
 Operator : TP/IZ
 Sample : G2450-20 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT440NB6.4(2)

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.673	335	338	343	rBV2	12440	16827	2.24%	0.085%
2	5.166	417	422	433	rVB	196640	298929	39.80%	1.504%
3	6.782	691	697	712	rVB	211497	332558	44.28%	1.673%
4	7.111	745	753	763	rBV	218143	350451	46.66%	1.764%
5	7.569	824	831	839	rBV	110401	162020	21.57%	0.815%
6	7.887	878	885	893	rVB	158830	257661	34.31%	1.297%
7	8.733	1023	1029	1037	rBV	132782	221544	29.50%	1.115%
8	10.366	1298	1307	1312	rBV	126091	220390	29.34%	1.109%
9	10.413	1312	1315	1322	rVB2	10468	18738	2.49%	0.094%
10	11.400	1476	1483	1486	rBV6	8894	18277	2.43%	0.092%
11	11.800	1547	1551	1555	rBV4	16548	24699	3.29%	0.124%
12	12.041	1587	1592	1598	rVB	60857	96194	12.81%	0.484%
13	12.264	1623	1630	1638	rBV2	31406	57802	7.70%	0.291%
14	12.575	1678	1683	1688	rVB8	10251	18955	2.52%	0.095%
15	12.663	1695	1698	1703	rVB7	12323	19922	2.65%	0.100%
16	12.722	1705	1708	1711	rBV4	11097	19011	2.53%	0.096%
17	12.775	1712	1717	1721	rVB3	31775	49798	6.63%	0.251%
18	12.857	1722	1731	1736	rBV	286757	433153	57.67%	2.180%
19	13.069	1759	1767	1773	rBV2	69652	122300	16.28%	0.615%
20	13.163	1779	1783	1790	rBV4	21743	34478	4.59%	0.173%
21	13.269	1796	1801	1804	rBV	60635	92283	12.29%	0.464%
22	13.404	1818	1824	1825	rBV2	127479	183043	24.37%	0.921%
23	13.509	1839	1842	1845	rVV5	16335	21306	2.84%	0.107%
24	13.562	1845	1851	1856	rVV	160051	277014	36.88%	1.394%
25	13.615	1856	1860	1865	rVB2	142013	199076	26.51%	1.002%
26	13.709	1870	1876	1877	rBV4	39457	57494	7.66%	0.289%
27	13.727	1877	1879	1883	rVV3	53563	65319	8.70%	0.329%
28	13.797	1883	1891	1895	rVV2	97547	185975	24.76%	0.936%
29	13.833	1895	1897	1902	rVB4	31992	45468	6.05%	0.229%
30	13.933	1911	1914	1917	rBV2	35003	47576	6.33%	0.239%
31	13.968	1917	1920	1924	rVB	34011	43359	5.77%	0.218%
32	14.150	1946	1951	1955	rBV	126719	168800	22.48%	0.849%
33	14.244	1958	1967	1973	rVV4	229378	486758	64.81%	2.449%
34	14.297	1973	1976	1979	rVV	71724	103428	13.77%	0.520%

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Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.338	1979	1983	1986	rVV3	60645	98425	13.11%	0.495%
36	14.373	1986	1989	1997	rVV5	29938	52544	7.00%	0.264%
37	14.455	1997	2003	2012	rVB2	154977	369157	49.15%	1.858%
38	14.544	2013	2018	2022	rBV4	50047	80633	10.74%	0.406%
39	14.649	2030	2036	2041	rVB2	154444	290477	38.68%	1.462%
40	14.726	2042	2049	2054	rBV	150455	231453	30.82%	1.165%
41	14.779	2054	2058	2064	rBV7	39398	66141	8.81%	0.333%
42	14.867	2069	2073	2077	rVV	99982	145793	19.41%	0.734%
43	14.920	2078	2082	2086	rVB	147697	181465	24.16%	0.913%
44	15.037	2095	2102	2106	rBV4	127949	272100	36.23%	1.369%
45	15.108	2111	2114	2118	rVB	138070	155181	20.66%	0.781%
46	15.184	2124	2127	2131	rBV4	41005	71696	9.55%	0.361%
47	15.290	2141	2145	2149	rVB3	65989	95609	12.73%	0.481%
48	15.343	2149	2154	2159	rBV3	128903	251759	33.52%	1.267%
49	15.466	2171	2175	2179	rBV4	39942	64899	8.64%	0.327%
50	15.513	2179	2183	2190	rVB3	124692	188731	25.13%	0.950%
51	15.589	2191	2196	2198	rBV3	62475	99116	13.20%	0.499%
52	15.666	2206	2209	2213	rBV5	42742	65396	8.71%	0.329%
53	15.742	2214	2222	2229	rVV2	296847	562377	74.88%	2.830%
54	15.813	2230	2234	2244	rVB4	80843	192514	25.63%	0.969%
55	15.901	2246	2249	2253	rBV6	44565	67529	8.99%	0.340%
56	15.971	2257	2261	2269	rBV3	234909	451424	60.11%	2.272%
57	16.077	2276	2279	2281	rBV2	40869	49757	6.63%	0.250%
58	16.106	2282	2284	2289	rVB5	37443	55867	7.44%	0.281%
59	16.183	2294	2297	2301	rVV3	43582	68026	9.06%	0.342%
60	16.571	2361	2363	2367	rVB5	68908	79085	10.53%	0.398%
61	16.659	2374	2378	2383	rBV2	74406	112841	15.02%	0.568%
62	16.765	2393	2396	2401	rVB2	169453	210171	27.98%	1.058%
63	16.817	2401	2405	2408	rBV	132279	169293	22.54%	0.852%
64	17.000	2431	2436	2439	rBV	247866	349192	46.49%	1.757%
65	17.041	2439	2443	2448	rVB	449392	584876	77.87%	2.943%
66	17.505	2518	2522	2527	rVB2	170542	222819	29.67%	1.121%
67	17.581	2531	2535	2539	rVB2	141220	195504	26.03%	0.984%
68	17.881	2581	2586	2589	rBV	295057	450016	59.92%	2.265%
69	17.928	2589	2594	2601	rVB	451550	717237	95.50%	3.609%
70	18.004	2604	2607	2612	rVV2	87767	139051	18.51%	0.700%
71	18.063	2613	2617	2621	rVV	238036	370072	49.27%	1.862%

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72	18.110	2622	2625	2630	rVB	230213	281600	37.49%	1.417%
73	18.198	2636	2640	2644	rBV	186657	258677	34.44%	1.302%
74	18.274	2650	2653	2657	rVB2	113969	139966	18.64%	0.704%
75	18.386	2668	2672	2676	rBV4	138389	222723	29.66%	1.121%
76	18.604	2705	2709	2711	rBV4	93918	131765	17.54%	0.663%
77	18.633	2711	2714	2719	rVV2	176473	270555	36.02%	1.361%
78	18.686	2720	2723	2726	rVV	135070	180816	24.08%	0.910%
79	18.721	2727	2729	2734	rVB2	99410	112429	14.97%	0.566%
80	18.809	2739	2744	2747	rVV	266814	415583	55.33%	2.091%
81	18.839	2747	2749	2756	rVV3	192937	358492	47.73%	1.804%
82	18.897	2756	2759	2763	rVB	128347	144209	19.20%	0.726%
83	18.944	2764	2767	2774	rVV4	85097	147053	19.58%	0.740%
84	19.068	2785	2788	2791	rBV2	184863	230870	30.74%	1.162%
85	19.350	2833	2836	2840	rVB3	100959	124421	16.57%	0.626%
86	19.432	2845	2850	2859	rVV2	417457	751046	100.00%	3.779%
87	19.514	2861	2864	2869	rVB3	149369	215639	28.71%	1.085%
88	19.638	2881	2885	2889	rBV	479699	604384	80.47%	3.041%
89	19.961	2937	2940	2944	rVB	124435	143472	19.10%	0.722%
90	20.090	2959	2962	2966	rVB	233153	298143	39.70%	1.500%
91	20.231	2983	2986	2990	rBV	186115	247521	32.96%	1.246%
92	20.278	2991	2994	2997	rVB	126963	151537	20.18%	0.763%
93	20.454	3021	3024	3028	rVB	115421	123958	16.50%	0.624%
94	20.824	3084	3087	3089	rBV	83282	107778	14.35%	0.542%
95	20.918	3100	3103	3106	rBV	128019	137645	18.33%	0.693%
96	21.200	3145	3151	3154	rBV2	373741	597102	79.50%	3.005%
97	21.353	3174	3177	3181	rBV2	129972	136932	18.23%	0.689%
98	21.782	3247	3250	3256	rVB2	116445	193796	25.80%	0.975%
99	22.235	3324	3327	3333	rBV2	108003	183111	24.38%	0.921%
100	23.421	3525	3529	3535	rVB3	234707	382118	50.88%	1.923%

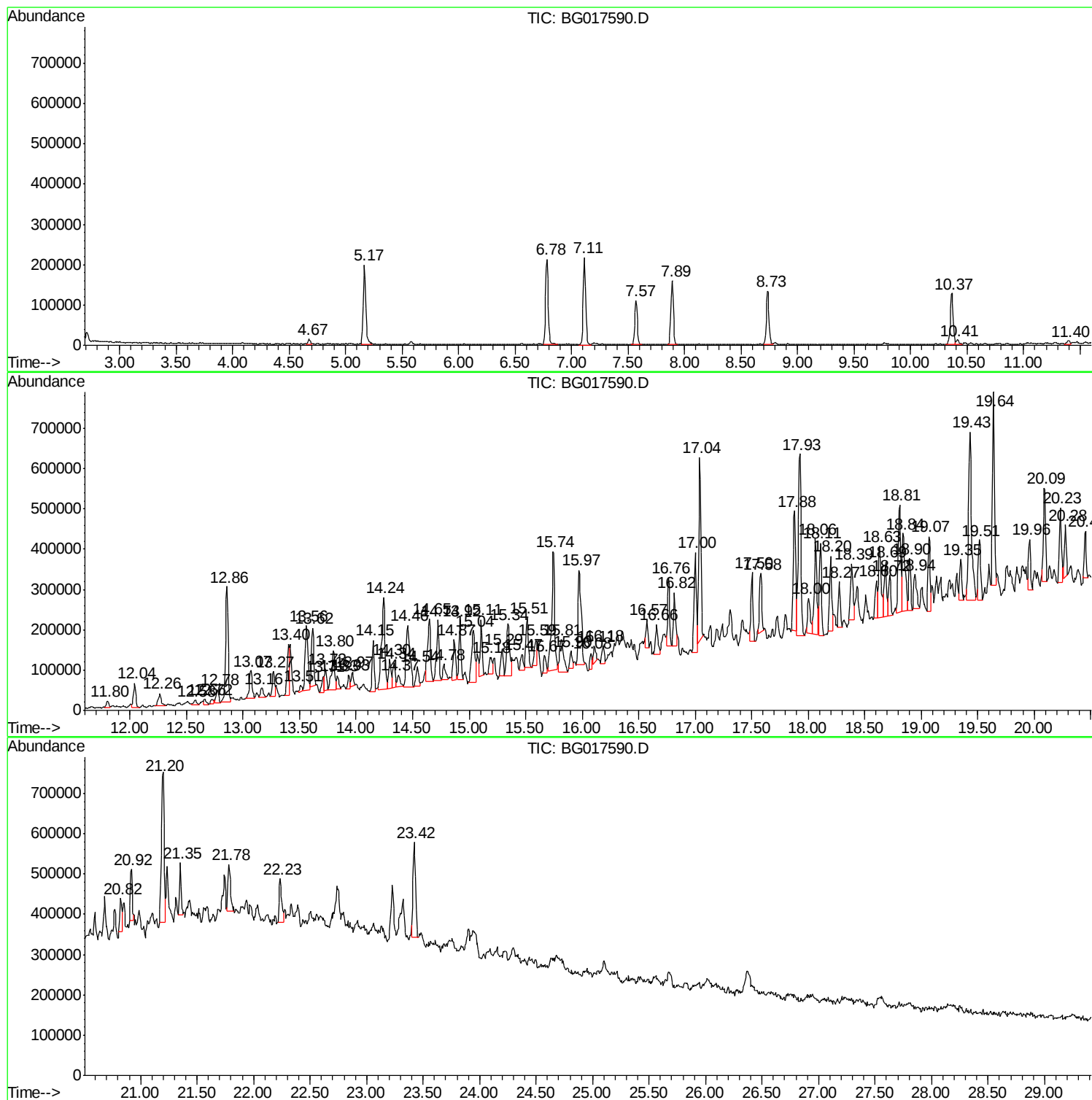
Sum of corrected areas: 19872173

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ClientSampleId :
RT440NB6.4(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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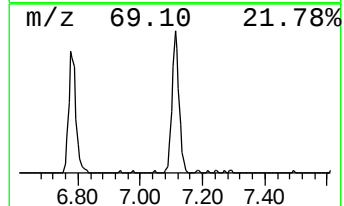
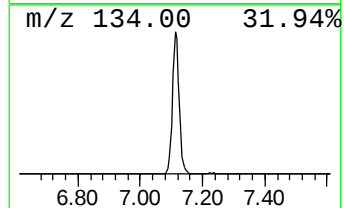
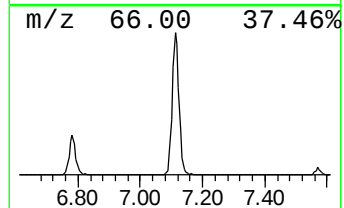
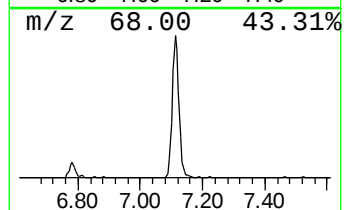
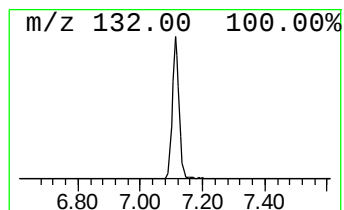
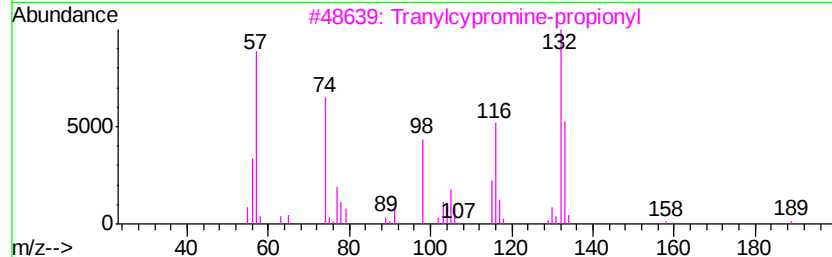
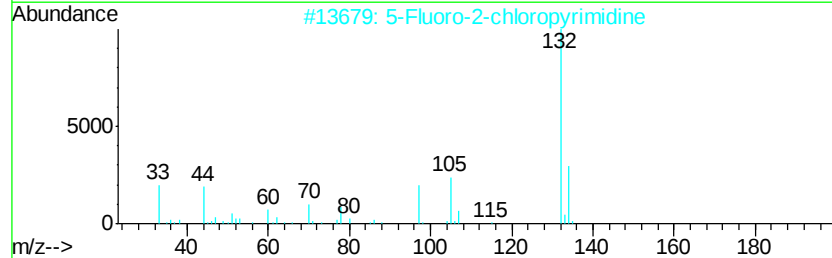
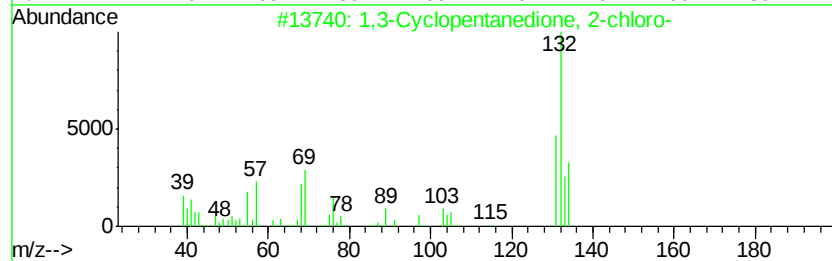
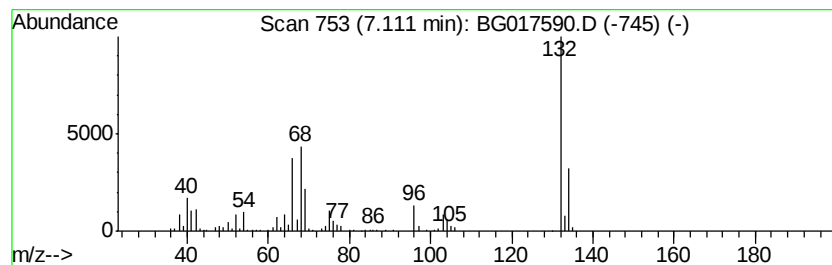
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown7.11 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	43.26 ng	350451	1,4-Dichlorobenzene-d4	7.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	38
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
4		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	22
5		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	22



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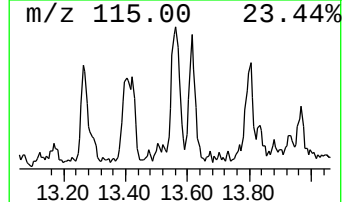
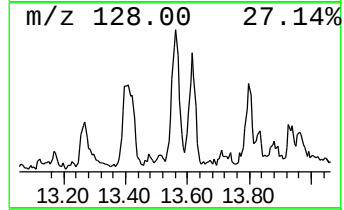
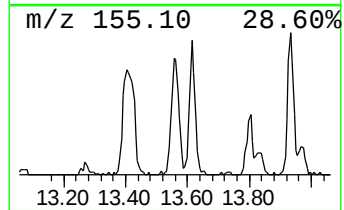
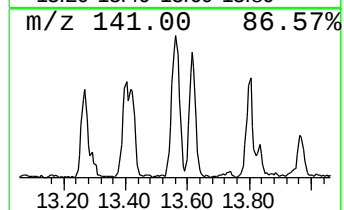
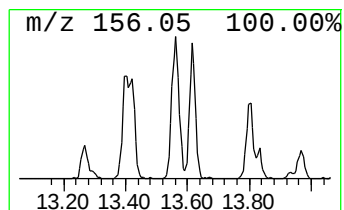
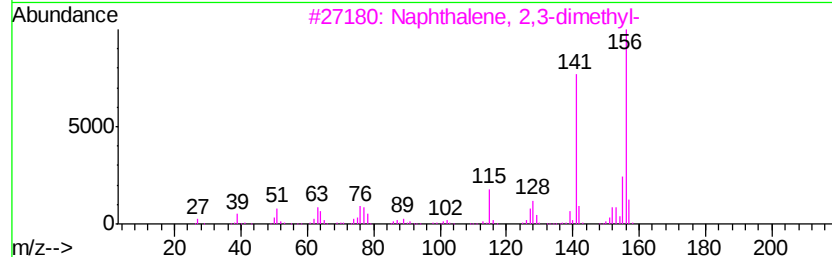
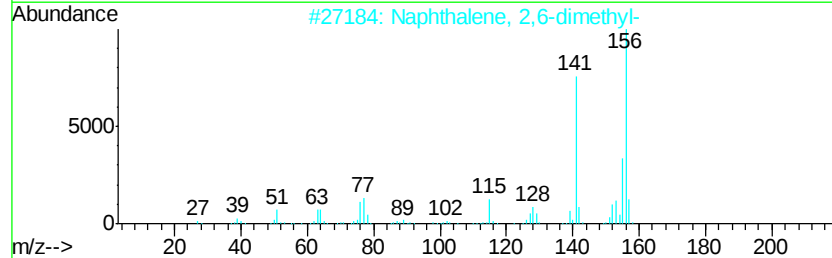
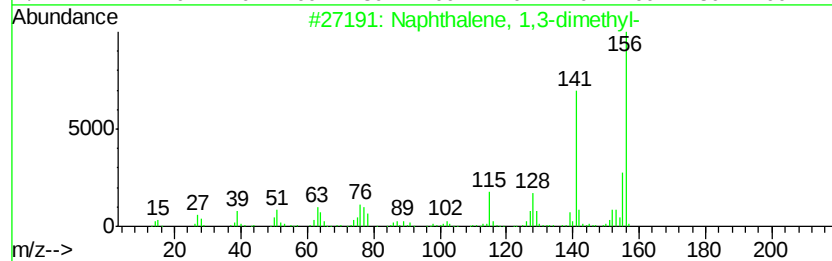
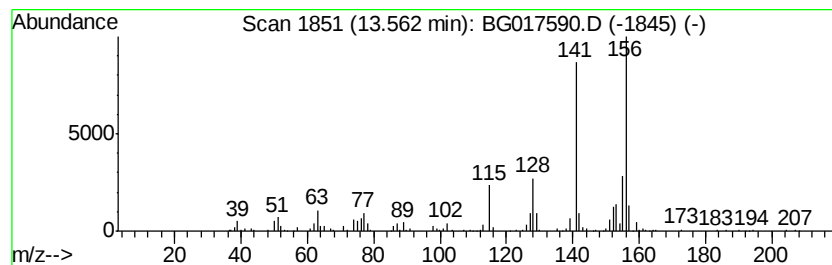
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.56	11.38 ng	277014	Acenaphthene-d10		14.24	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene,	1,3-dimethyl-	156	C12H12	000575-41-7	95
2	Naphthalene,	2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene,	2,3-dimethyl-	156	C12H12	000581-40-8	94
4	Naphthalene,	1,6-dimethyl-	156	C12H12	000575-43-9	94
5	Naphthalene,	2,7-dimethyl-	156	C12H12	000582-16-1	94



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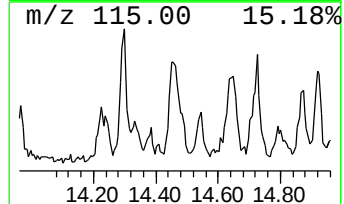
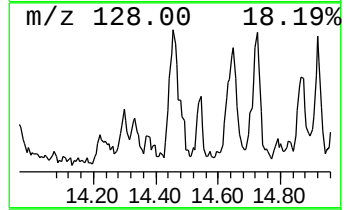
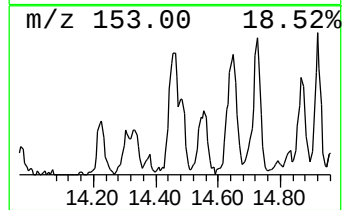
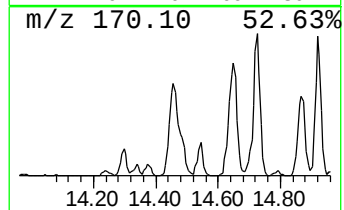
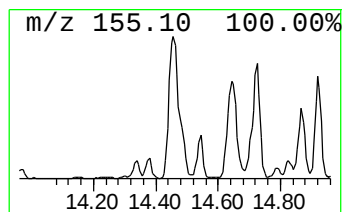
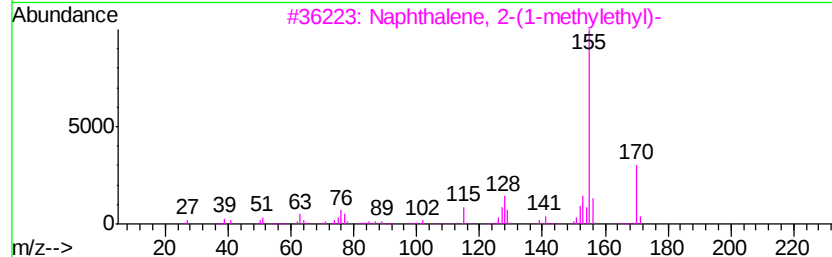
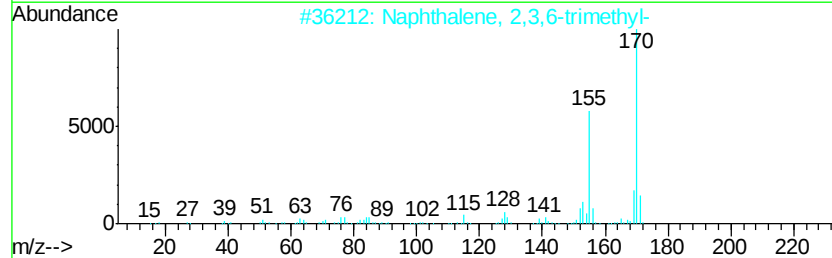
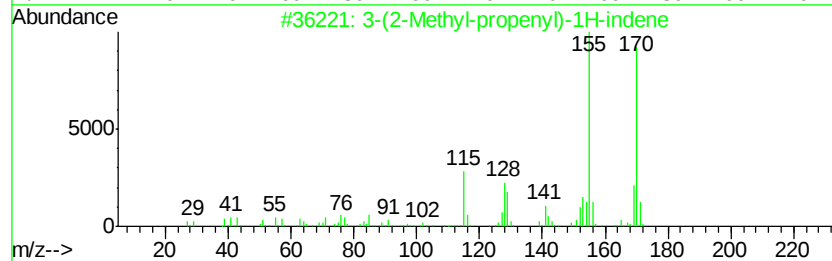
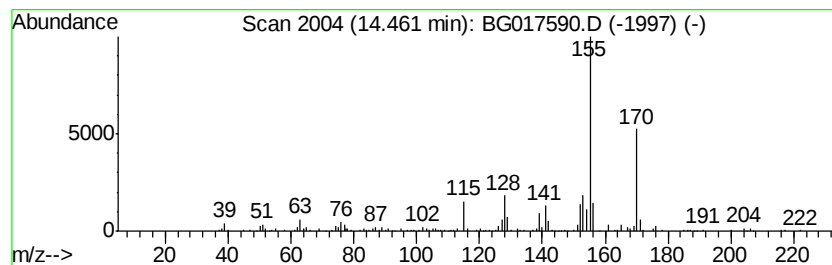
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.46	15.17 ng	369157	Acenaphthene-d10	14.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	94
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	87
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	86



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

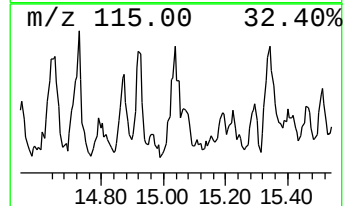
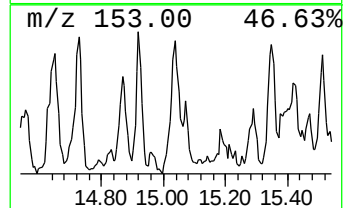
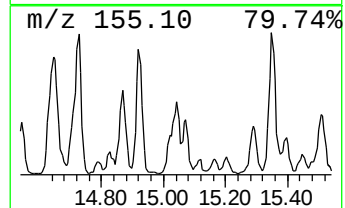
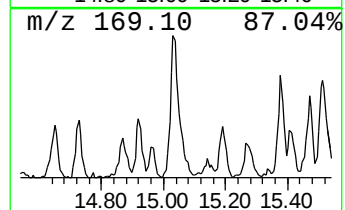
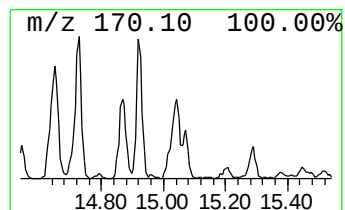
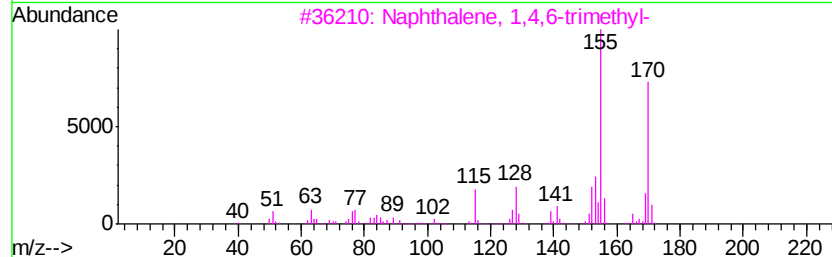
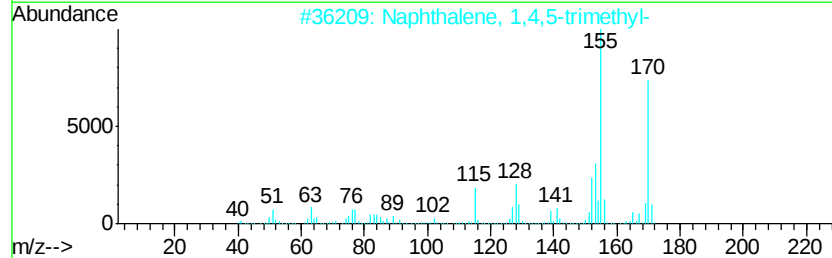
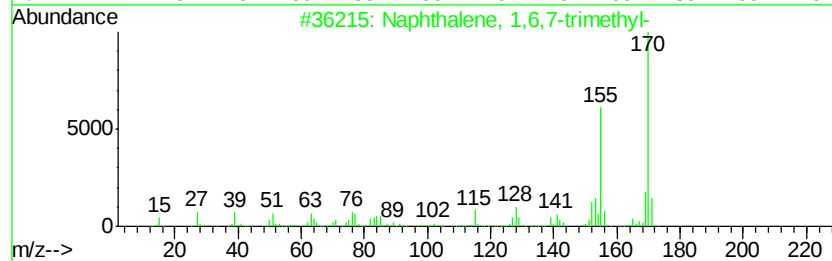
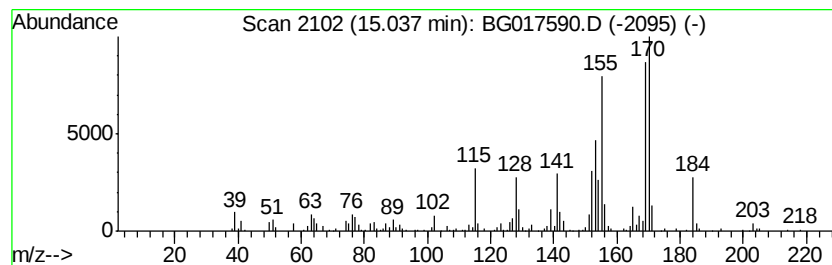
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	11.18 ng	272100	Acenaphthene-d10	14.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	60
2		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	60
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	50
4		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	49
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	49



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

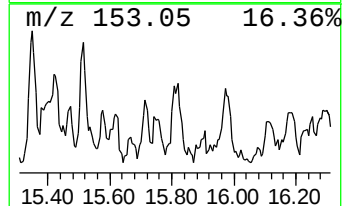
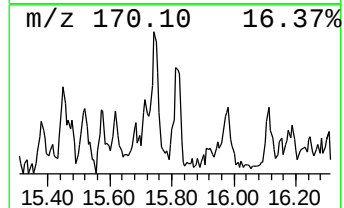
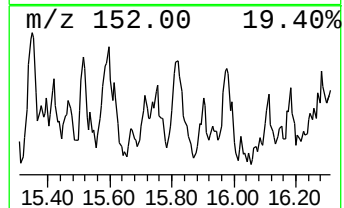
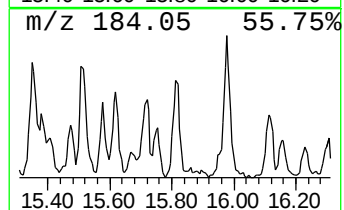
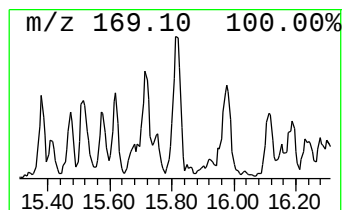
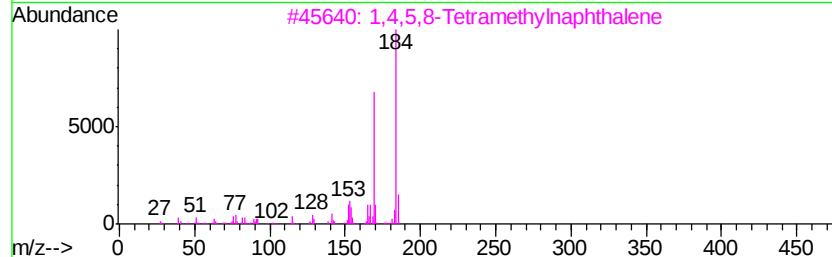
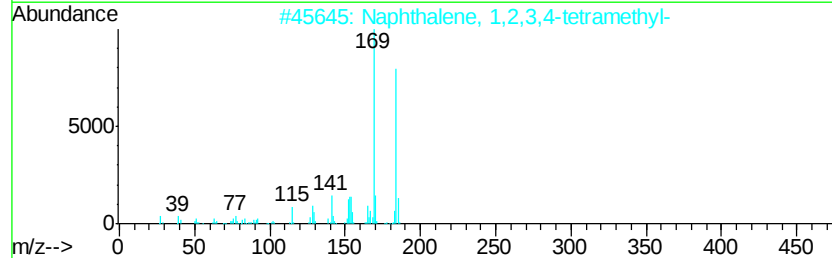
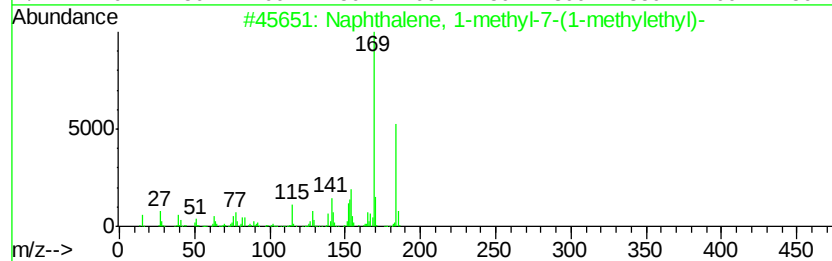
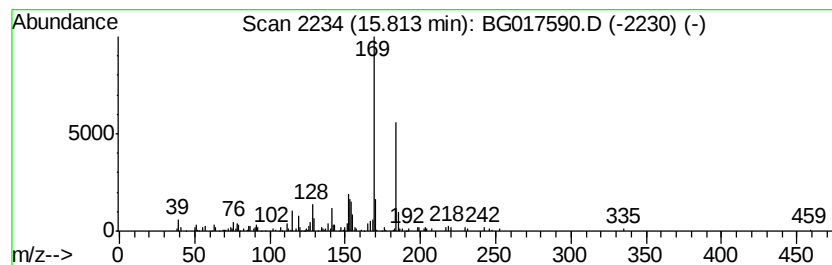
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 1-methyl-7-(1-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	11.03 ng	192514	Phenanthrene-d10	17.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	93
2		Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	93
3		1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	90
4		Phenol, 2-chloro-4-(1,1-dimethyl...	184	C10H13ClO	000098-28-2	64
5		3,4-Dimethoxy-6-methylpyrocatechol	184	C9H12O4	054826-79-8	59



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

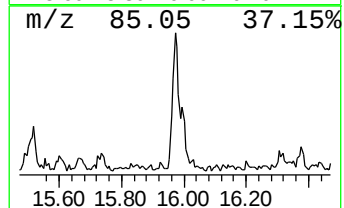
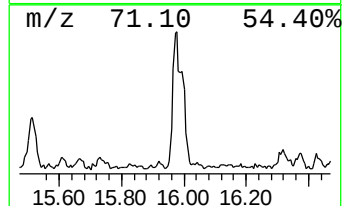
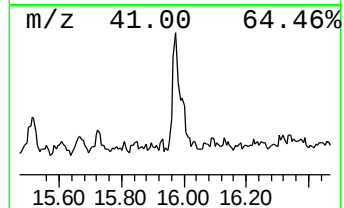
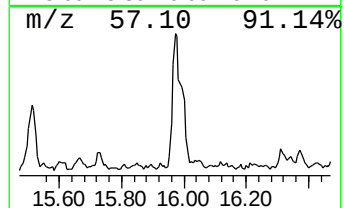
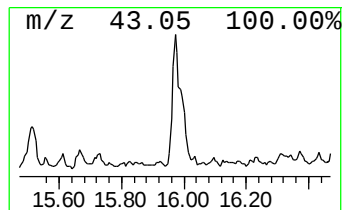
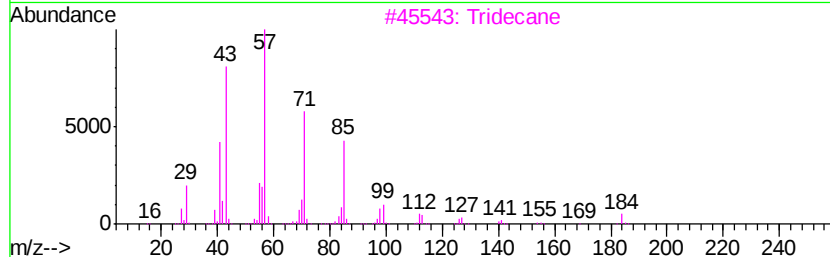
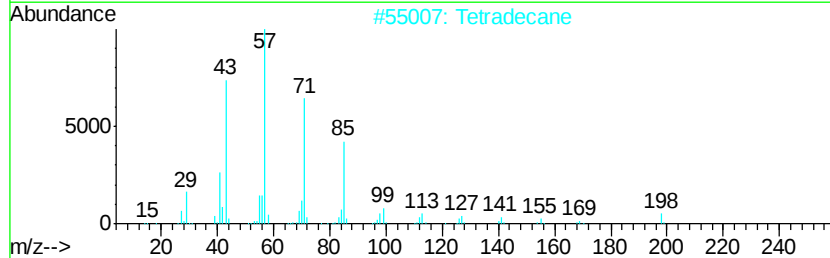
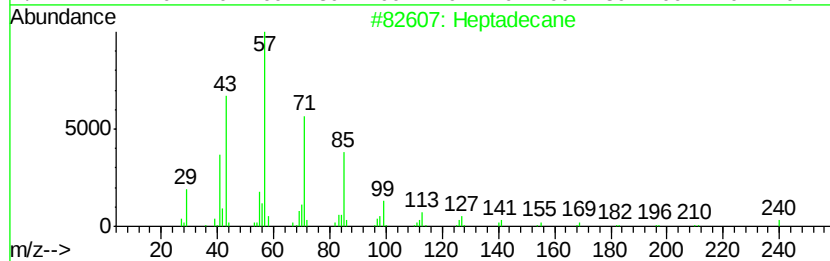
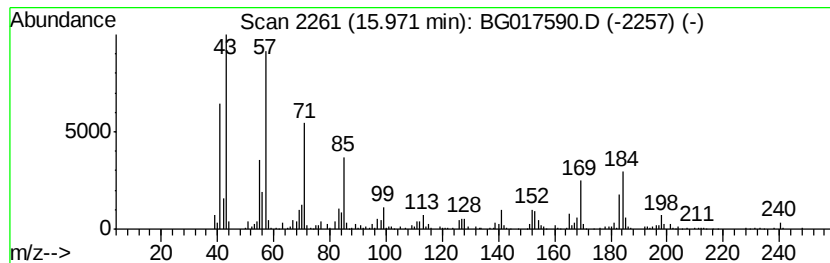
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Heptadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	25.86 ng	451424	Phenanthrene-d10	17.00

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane		240	C17H36	000629-78-7	94
2	Tetradecane		198	C14H30	000629-59-4	89
3	Tridecane		184	C13H28	000629-50-5	78
4	Nonane		128	C9H20	000111-84-2	60
5	Nonane, 4,5-dimethyl-		156	C11H24	017302-23-7	50



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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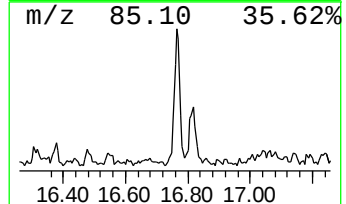
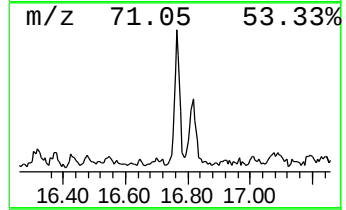
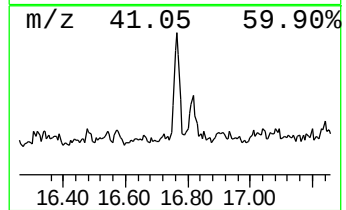
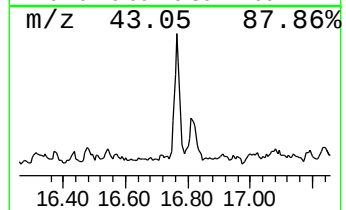
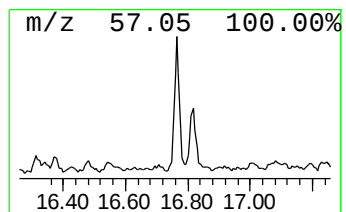
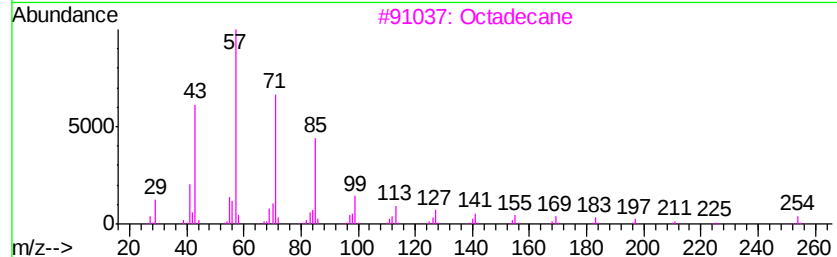
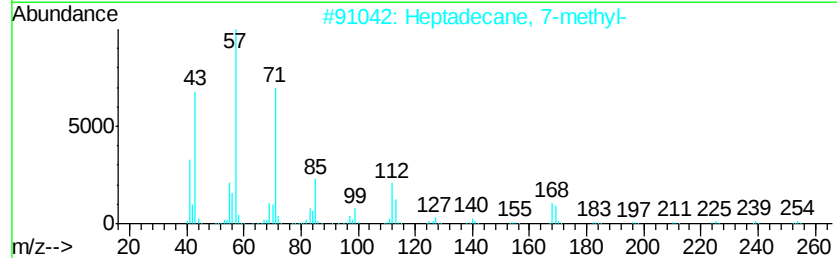
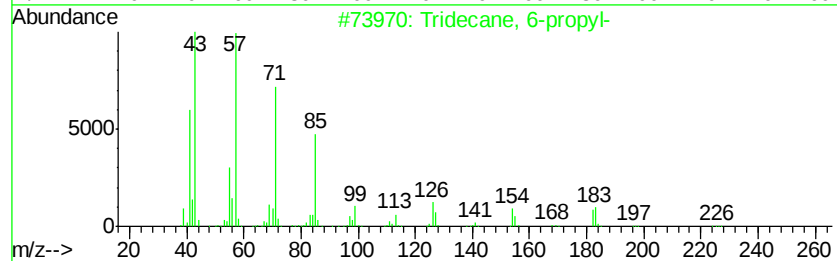
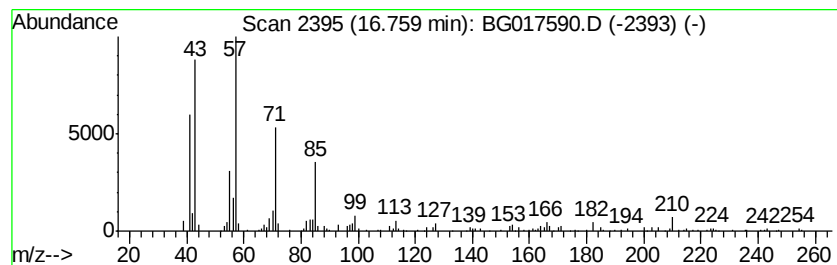
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Tridecane, 6-propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	12.04 ng	210171	Phenanthrene-d10	17.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	90
2		Heptadecane, 7-methyl-	254	C18H38	020959-33-5	89
3		Octadecane	254	C18H38	000593-45-3	87
4		Pentadecane	212	C15H32	000629-62-9	83
5		Dodecane, 5,8-diethyl-	226	C16H34	024251-86-3	83



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RT440NB6.4(2)

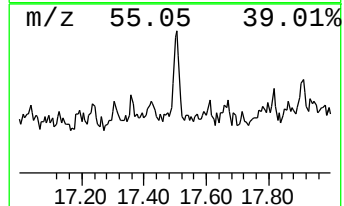
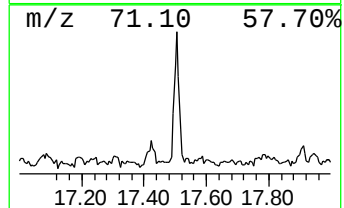
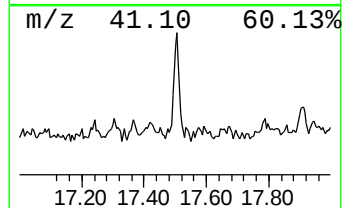
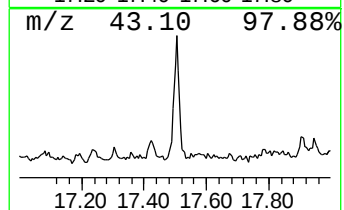
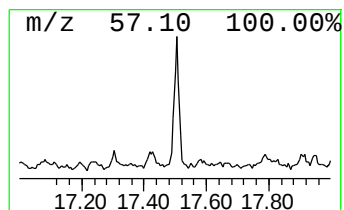
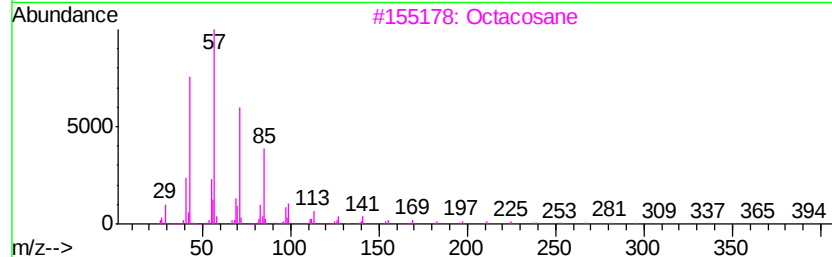
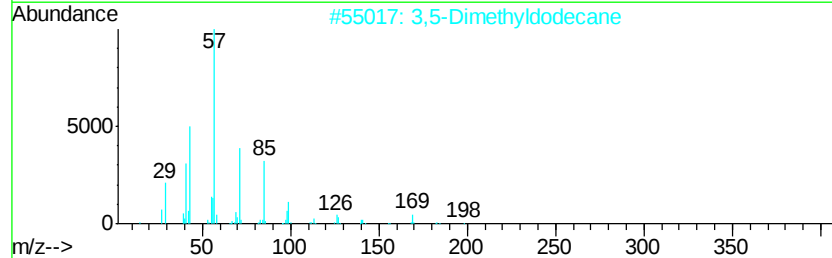
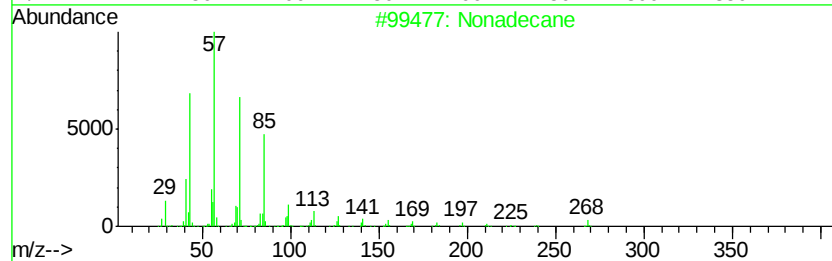
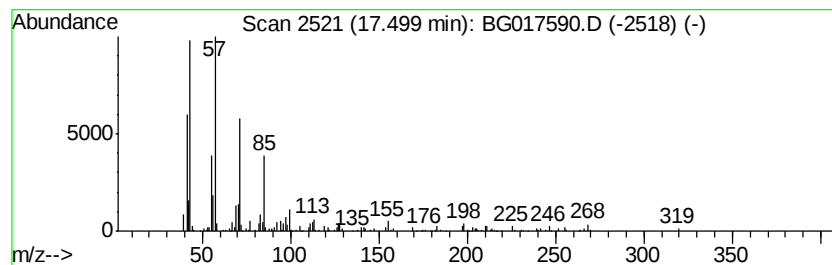
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Nonadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	12.76 ng	222819	Phenanthrene-d10	17.00

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane		268	C19H40	000629-92-5	92
2	3,5-Dimethyldodecane		198	C14H30	107770-99-0	87
3	Octacosane		394	C28H58	000630-02-4	87
4	Octadecane, 2-methyl-		268	C19H40	001560-88-9	83
5	Heptadecane, 9-octyl-		352	C25H52	007225-64-1	83



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RT440NB6.4(2)

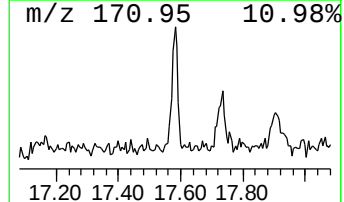
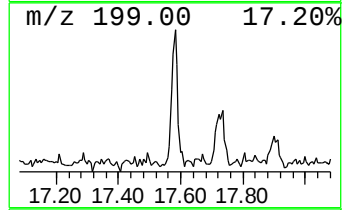
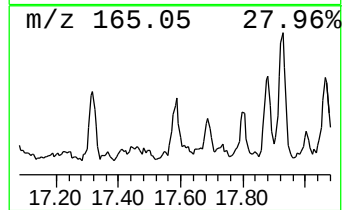
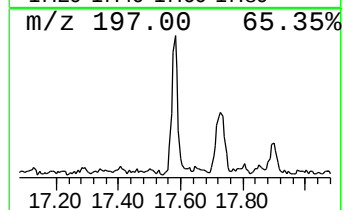
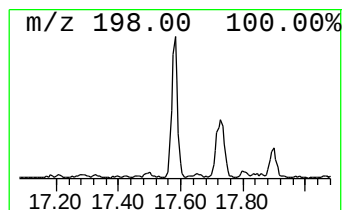
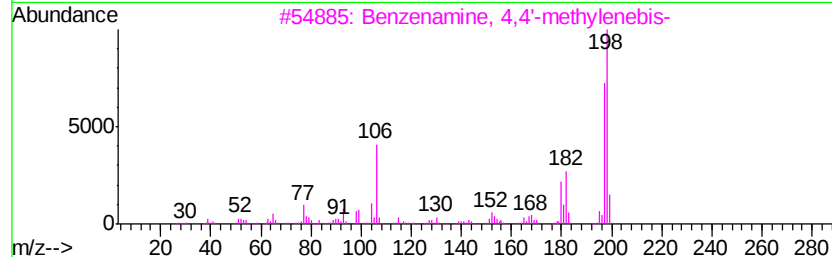
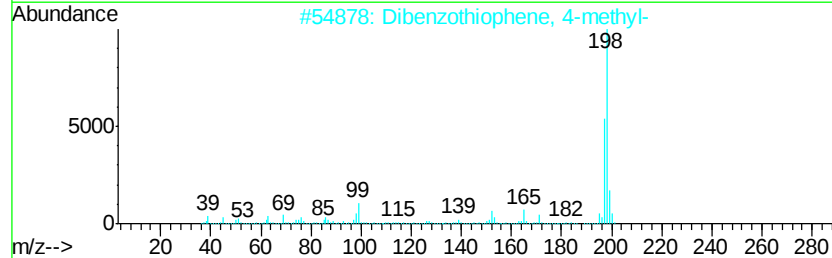
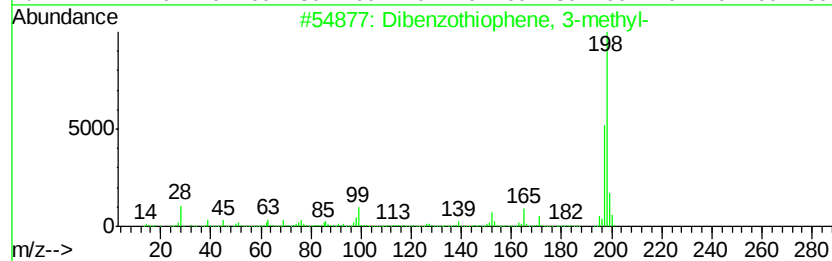
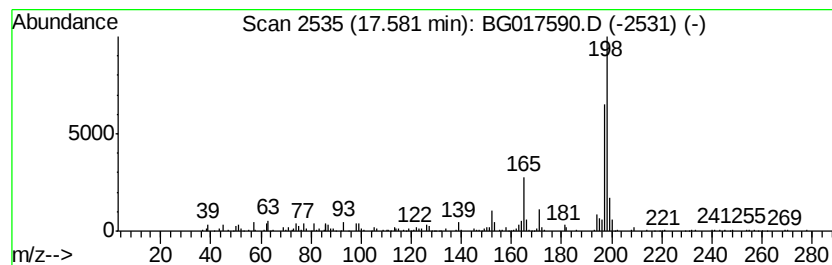
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Dibenzothiophene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.58	11.20 ng	195504	Phenanthrene-d10	17.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
2			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
3			Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59
4			Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	58
5			9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	53



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
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ALS Vial : 17 Sample Multiplier: 1

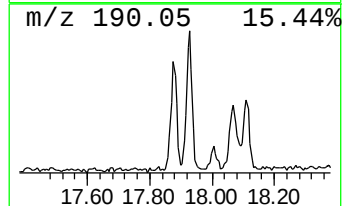
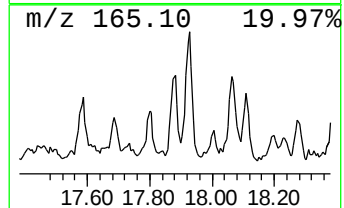
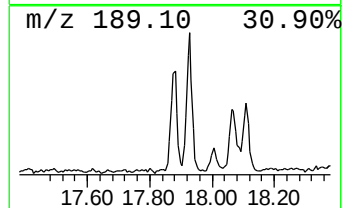
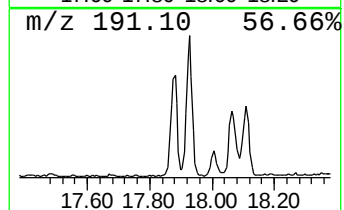
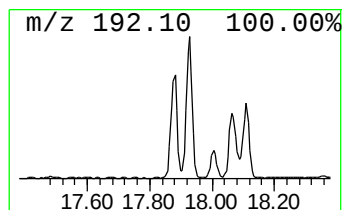
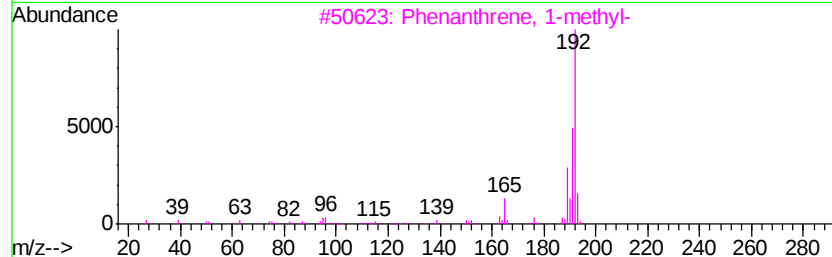
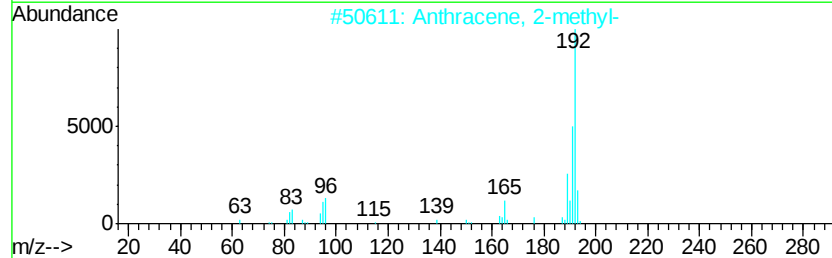
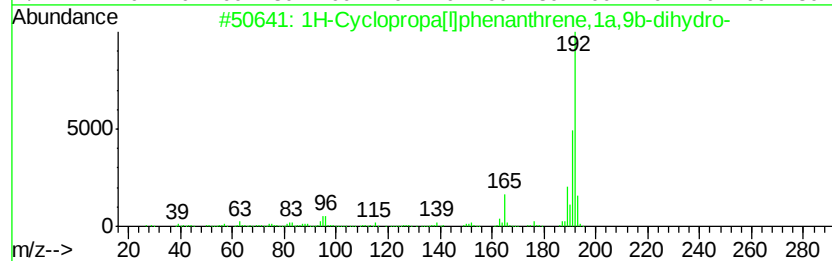
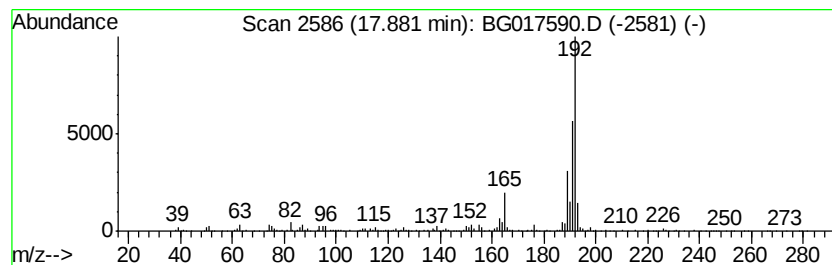
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ClientSampleId :
RT440NB6.4(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.88	25.77 ng	450016	Phenanthrene-d10	17.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

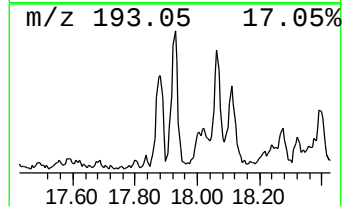
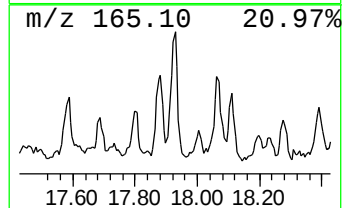
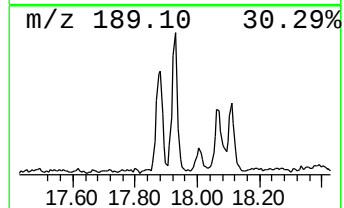
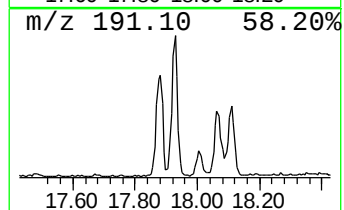
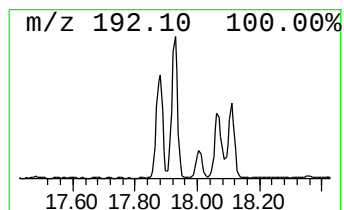
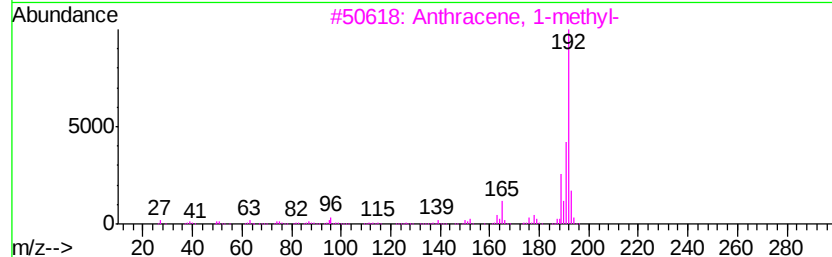
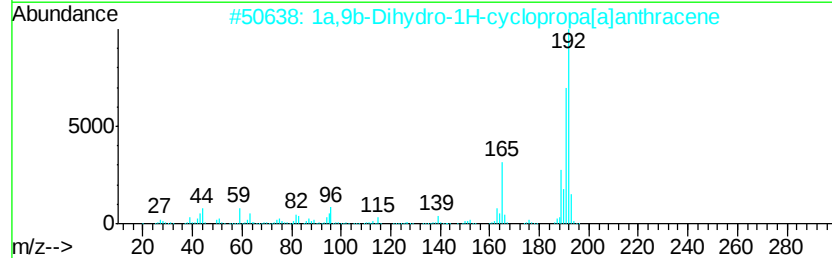
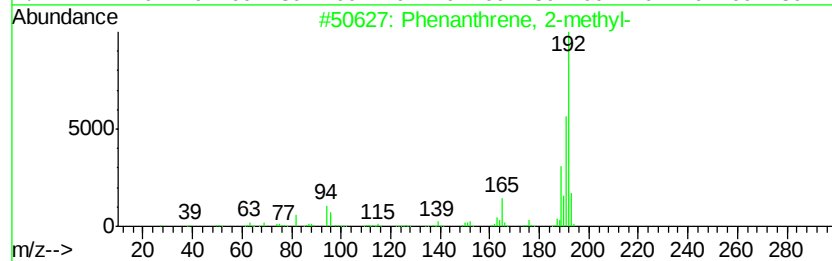
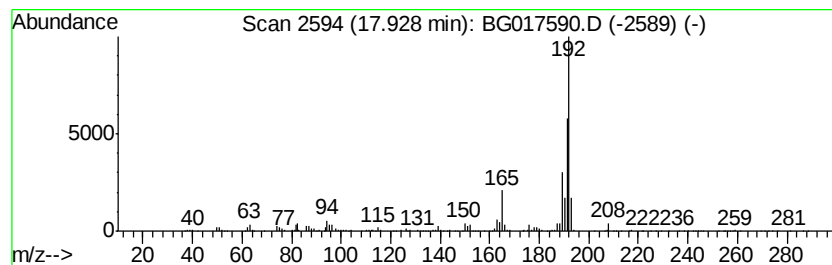
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	41.08 ng	717237	Phenanthrene-d10	17.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	93
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

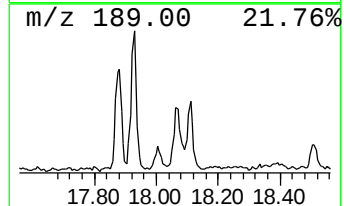
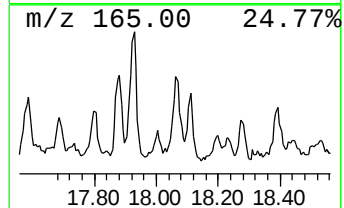
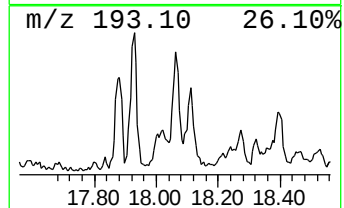
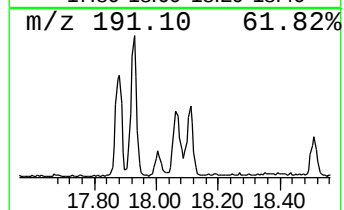
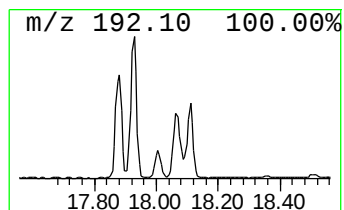
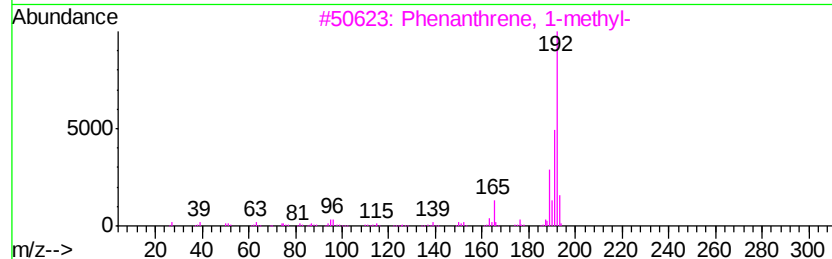
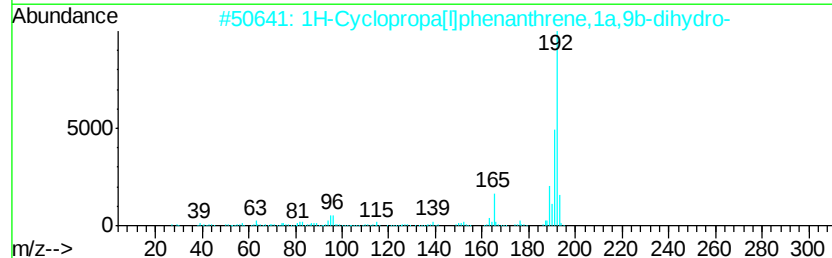
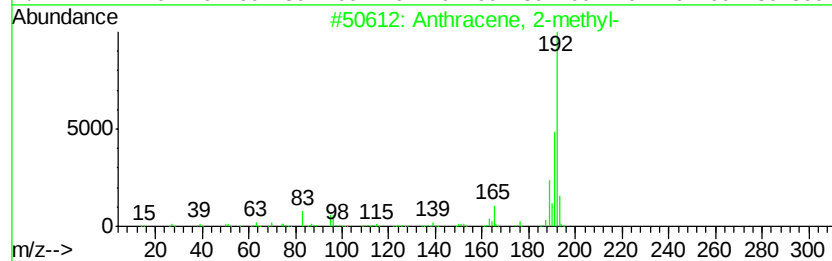
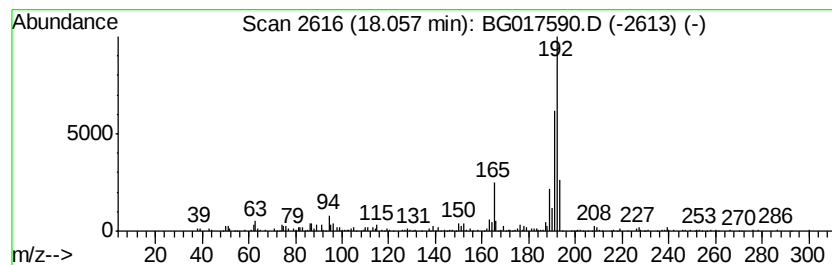
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	21.20 ng	370072	Phenanthrene-d10	17.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	89



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

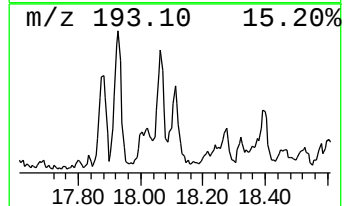
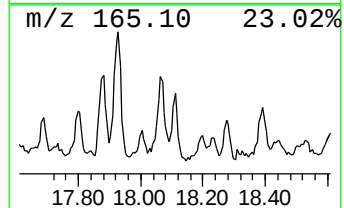
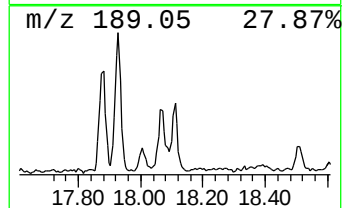
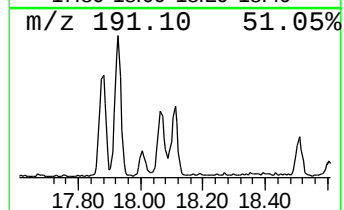
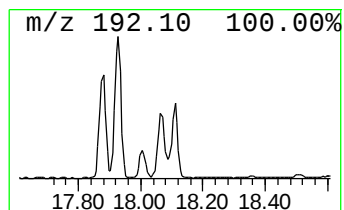
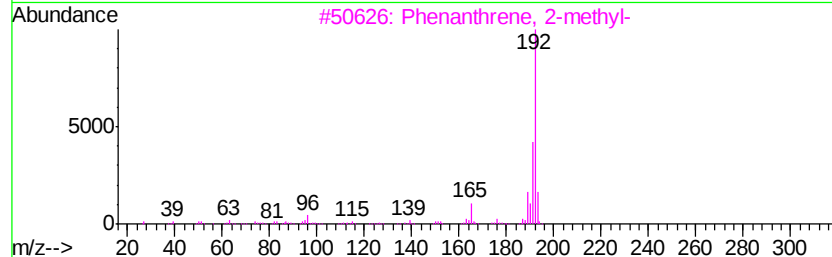
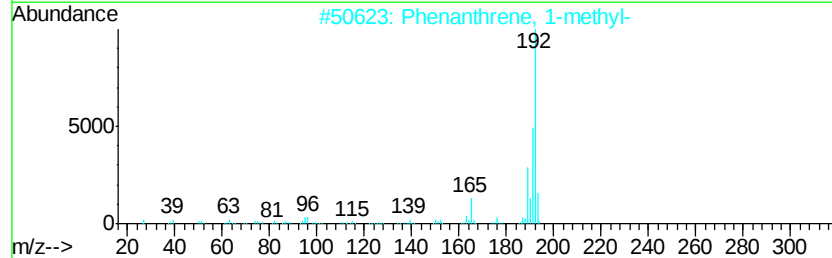
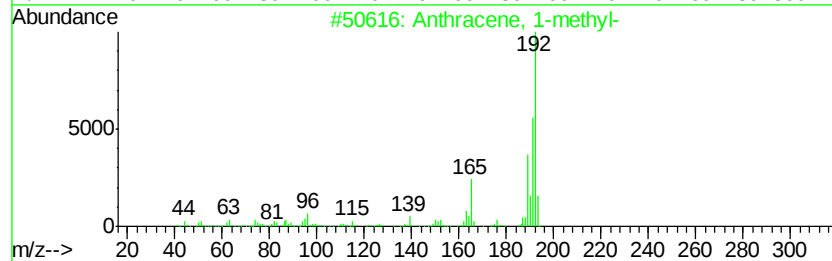
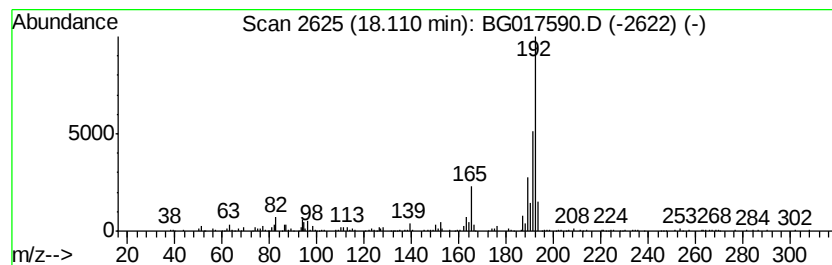
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	16.13 ng	281600	Phenanthrene-d10	17.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RT440NB6.4(2)

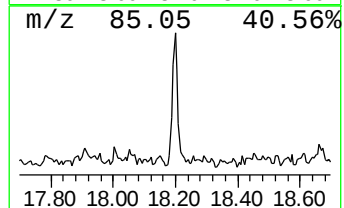
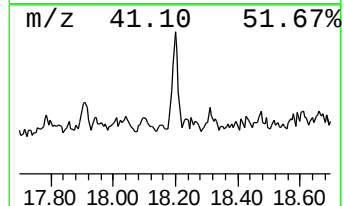
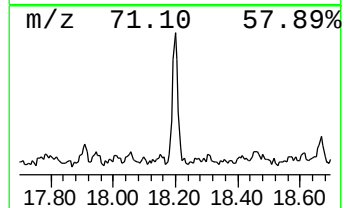
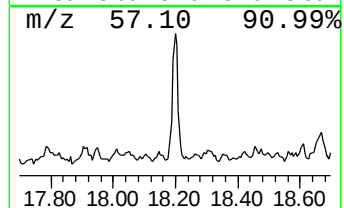
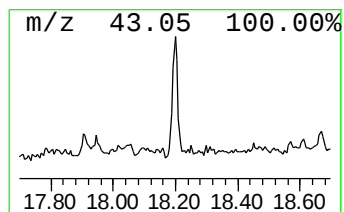
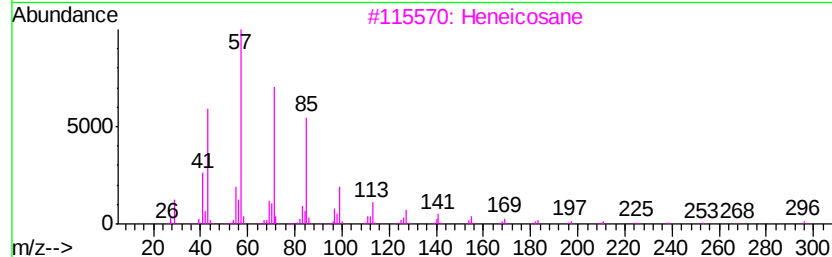
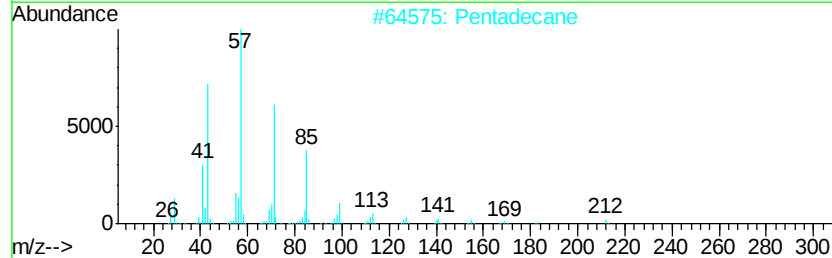
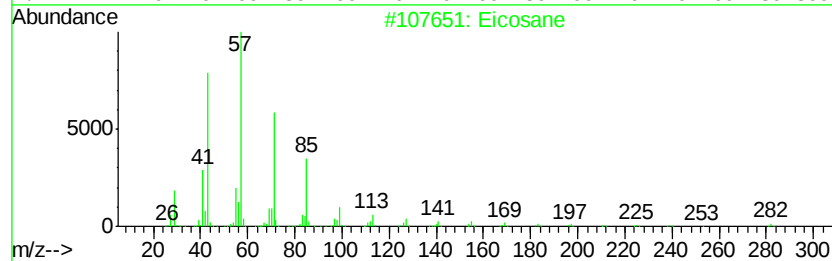
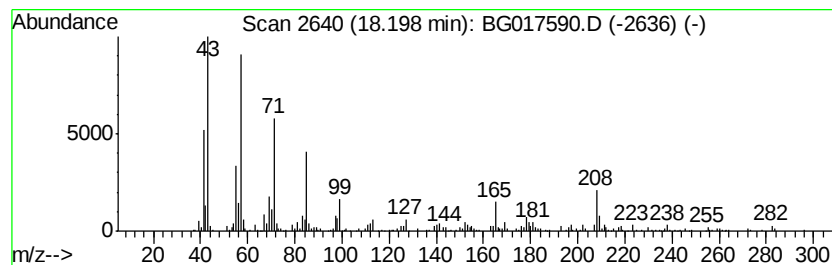
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Eicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	14.82 ng	258677	Phenanthrene-d10	17.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	96
2		Pentadecane	212	C15H32	000629-62-9	95
3		Heneicosane	296	C21H44	000629-94-7	86
4		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	70
5		Tridecane	184	C13H28	000629-50-5	70



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

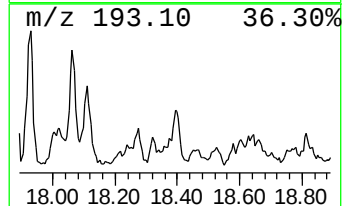
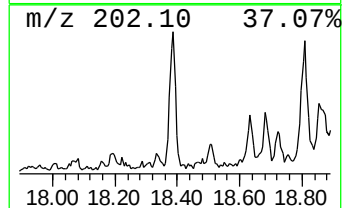
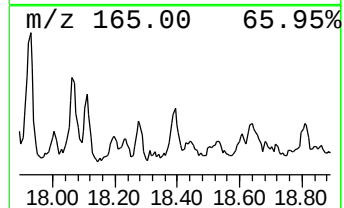
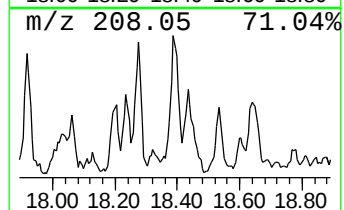
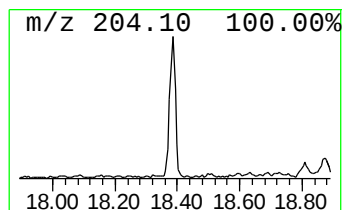
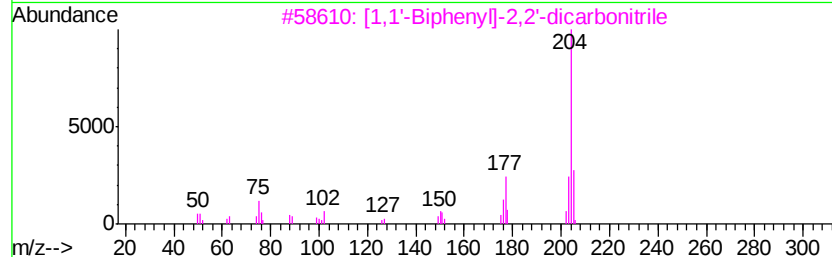
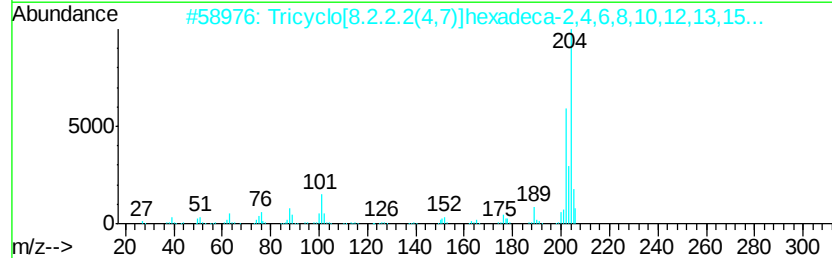
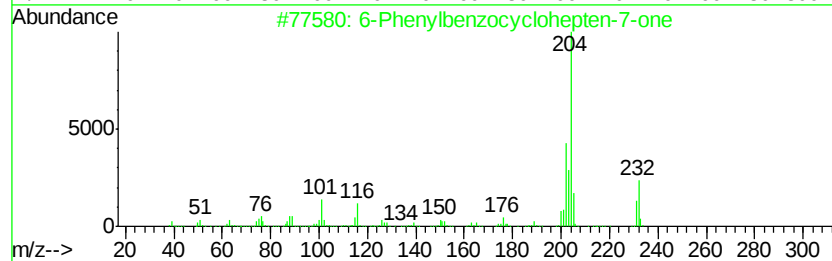
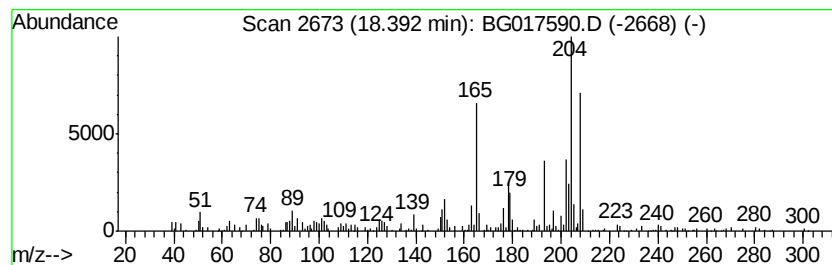
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 unknown18.39 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	12.76 ng	222723	Phenanthrene-d10	17.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	47
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	41
3		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	41
4		2-Phenylnaphthalene	204	C16H12	035465-71-5	41
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
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Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
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Instrument :
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ClientSampleId :
RT440NB6.4(2)

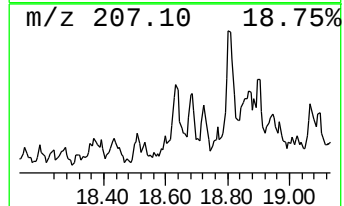
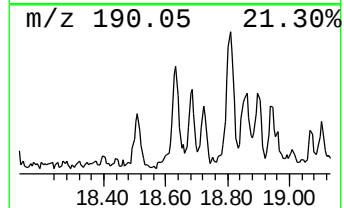
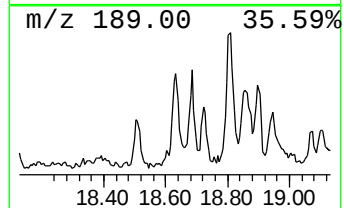
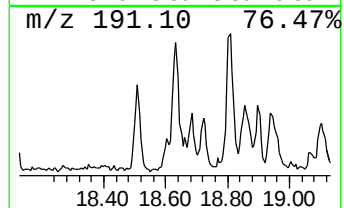
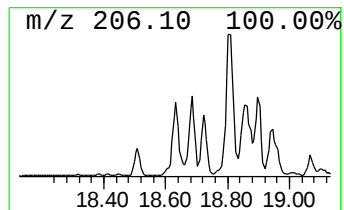
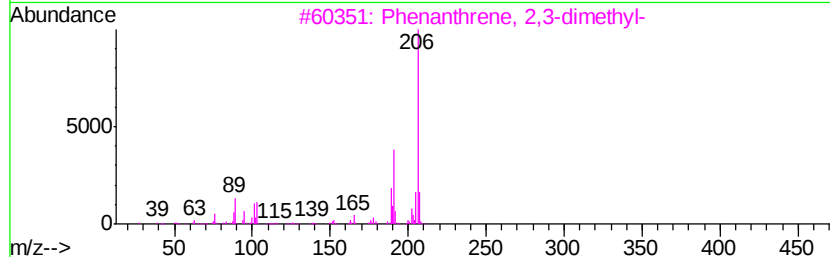
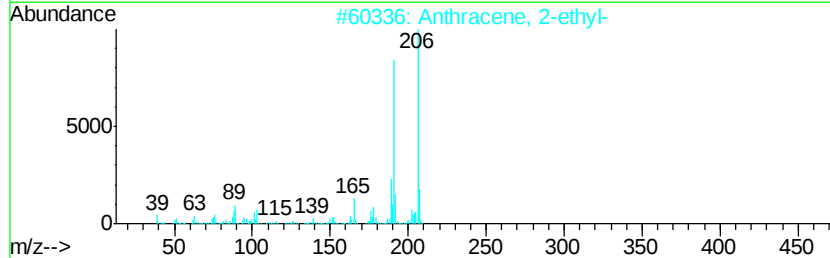
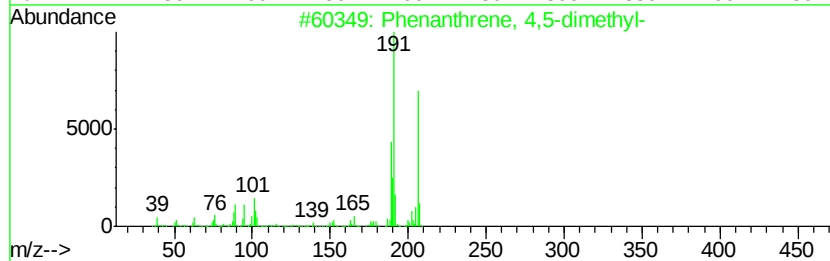
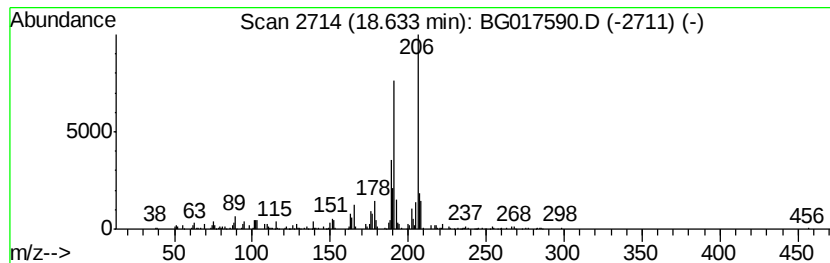
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Phenanthrene, 4,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	15.50 ng	270555	Phenanthrene-d10	17.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2		Anthracene, 2-ethyl-	206	C16H14	052251-71-5	87
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	83
5		Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	74



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

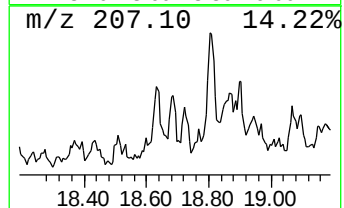
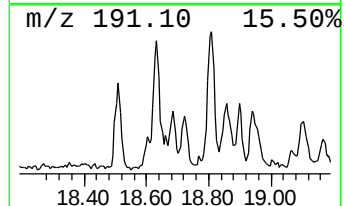
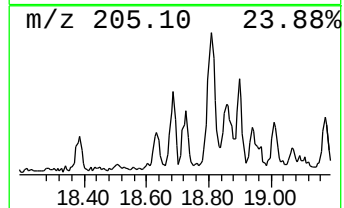
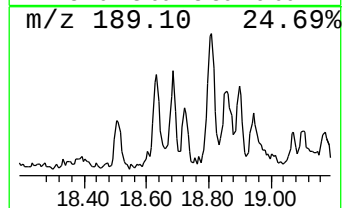
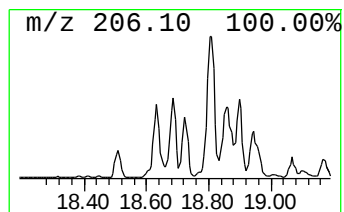
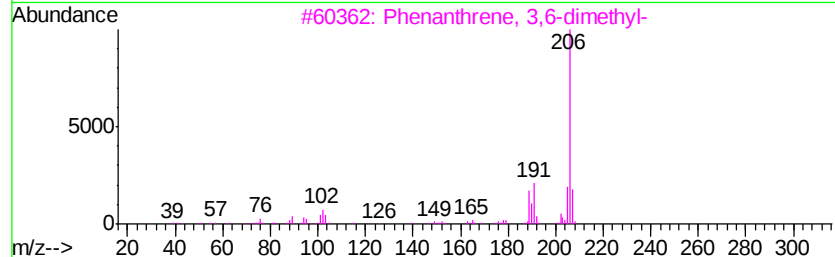
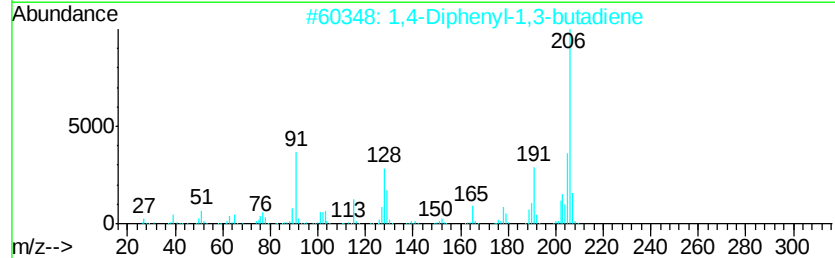
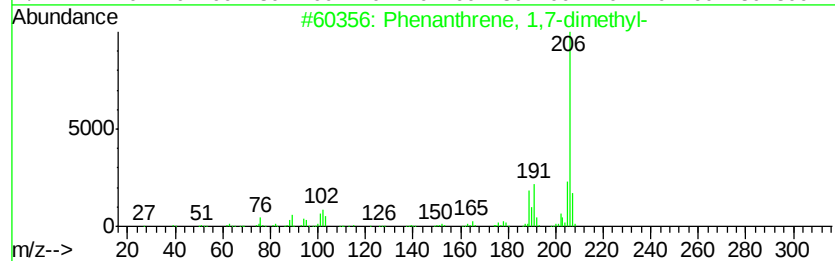
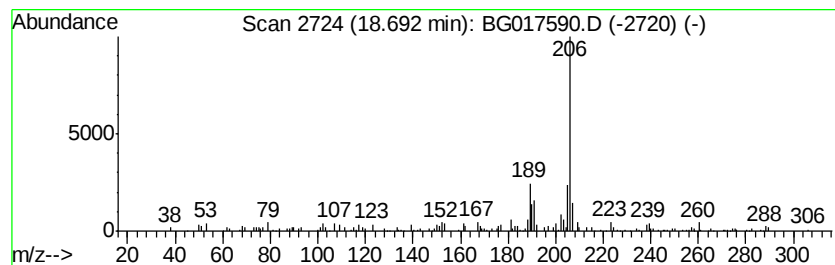
Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Phenanthrene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.69	10.36 ng	180816	Phenanthrene-d10	17.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
2	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	80
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	74
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
5	9,10-Dimethylantracene	206	C16H14	000781-43-1	64



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

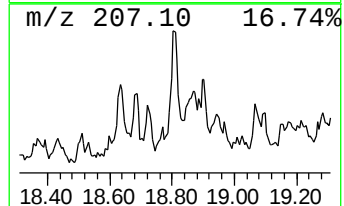
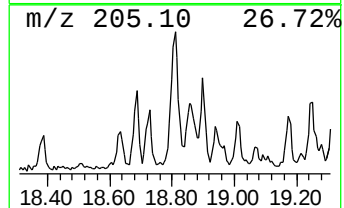
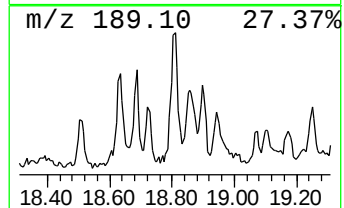
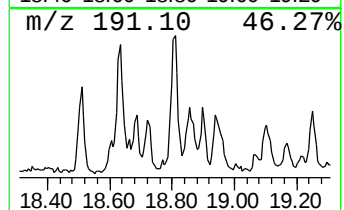
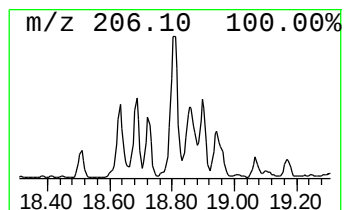
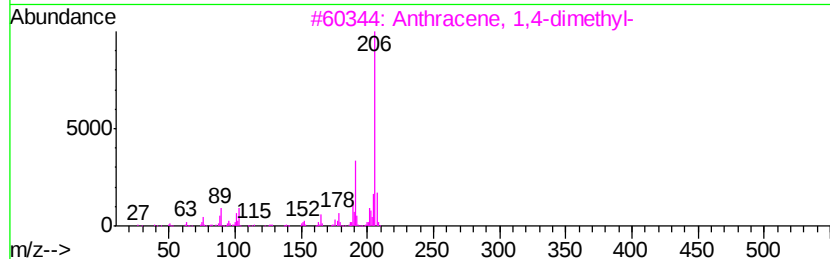
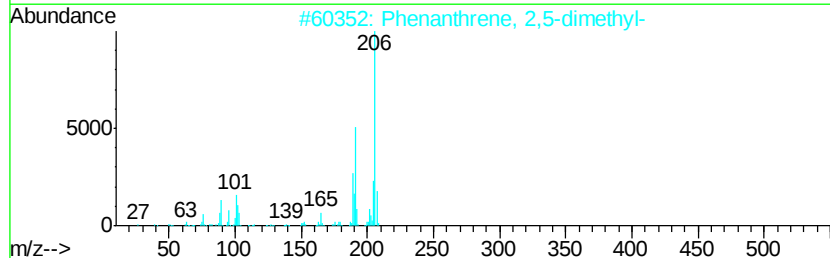
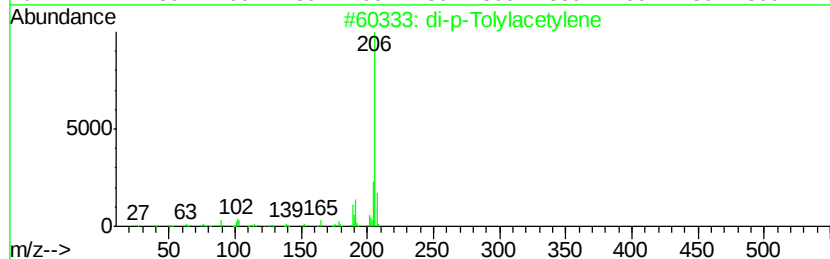
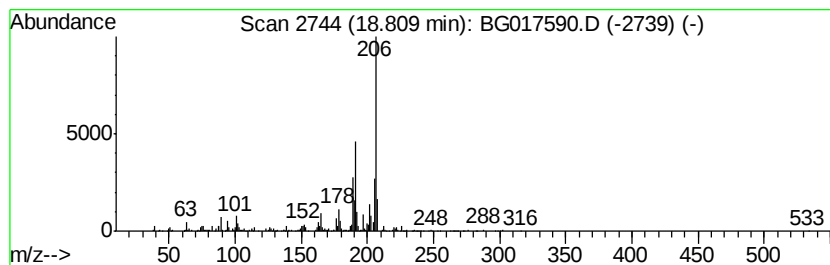
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 di-p-Tolylacetylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	23.80 ng	415583	Phenanthrene-d10	17.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	90



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

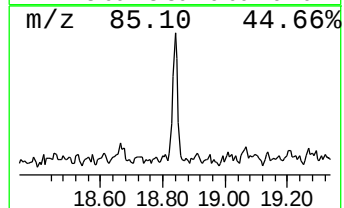
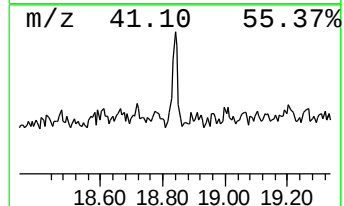
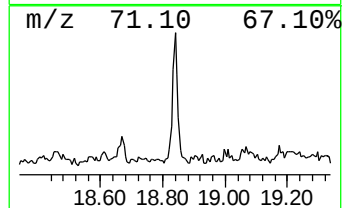
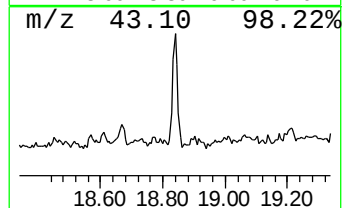
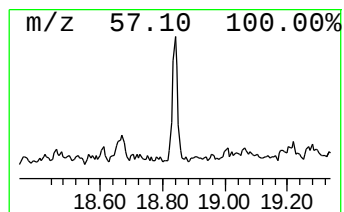
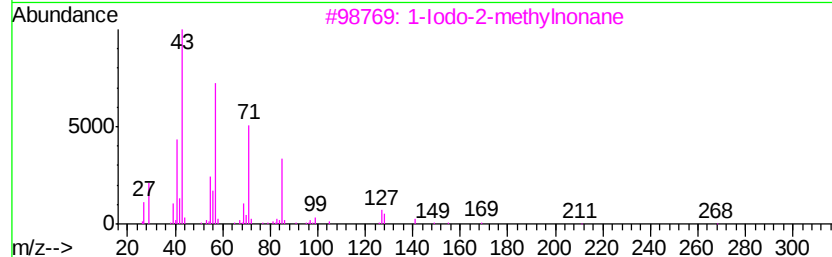
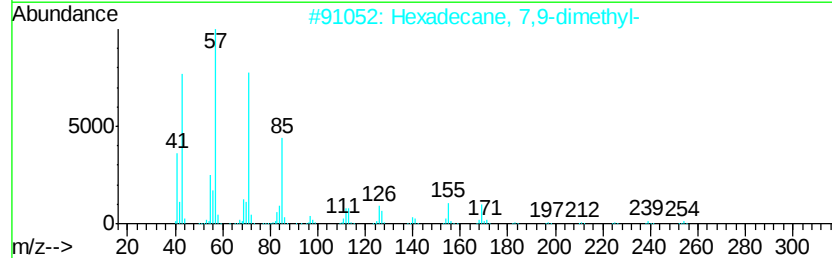
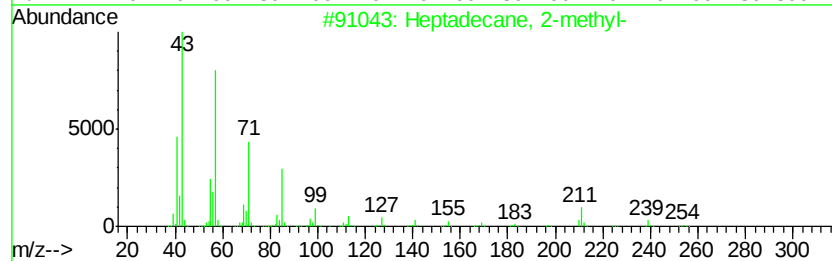
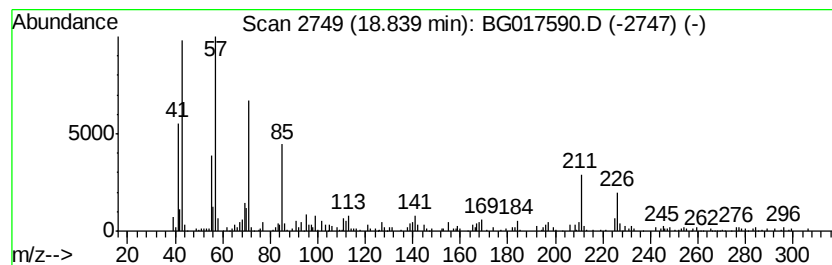
Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Heptadecane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.84	20.53 ng	358492	Phenanthrene-d10	17.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	70
2	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	60
3	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	60
4	Hexadecane	226	C16H34	000544-76-3	59
5	Tridecane	184	C13H28	000629-50-5	58



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
 Data File : BG017590.D
 Acq On : 10 Jun 2015 2:41
 Operator : TP/IZ
 Sample : G2450-20 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT440NB6.4(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown7.11	7.11	43.3	ng	350451	1	7.57	162020	20.0
Naphthalene, 1,3-...	13.56	11.4	ng	277014	3	14.24	486758	20.0
3-(2-Methyl-prope...	14.46	15.2	ng	369157	3	14.24	486758	20.0
Naphthalene, 1,6,...	15.04	11.2	ng	272100	3	14.24	486758	20.0
Naphthalene, 1-me...	15.81	11.0	ng	192514	4	17.00	349192	20.0
Heptadecane	15.97	25.9	ng	451424	4	17.00	349192	20.0
Tridecane, 6-propyl-	16.76	12.0	ng	210171	4	17.00	349192	20.0
Nonadecane	17.50	12.8	ng	222819	4	17.00	349192	20.0
Dibenzothiophene,...	17.58	11.2	ng	195504	4	17.00	349192	20.0
1H-Cyclopropa[1]p...	17.88	25.8	ng	450016	4	17.00	349192	20.0
Phenanthrene, 2-m...	17.93	41.1	ng	717237	4	17.00	349192	20.0
Anthracene, 2-met...	18.06	21.2	ng	370072	4	17.00	349192	20.0
Anthracene, 1-met...	18.11	16.1	ng	281600	4	17.00	349192	20.0
Eicosane	18.20	14.8	ng	258677	4	17.00	349192	20.0
unknown18.39	18.39	12.8	ng	222723	4	17.00	349192	20.0
Phenanthrene, 4,5...	18.63	15.5	ng	270555	4	17.00	349192	20.0
Phenanthrene, 1,7...	18.69	10.4	ng	180816	4	17.00	349192	20.0
di-p-Tolylacetylene	18.81	23.8	ng	415583	4	17.00	349192	20.0
Heptadecane, 2-me...	18.84	20.5	ng	358492	4	17.00	349192	20.0